Brighton 3Ts Redevelopment

Traffic & Transportation
Car Parking Provision & Car Parking Management Strategy

Existing Provision
508 Spaces

Proposed Provision
820 Spaces

- Additional spaces to be provided in Basement Car Park, accessed via Bristol Gate.
- Additional spaces represent approx 95% of permissible allocation under SPG4.
- Proposed Parking Management Strategy provides a greater ratio of Patient / Visitor spaces per bed than the national average for surveyed Teaching Hospitals.
- During construction temporary staff parking will be provided off-site.

Cycle Parking
- Additional 132 spaces to be provided outside hospital frontage, above SPG4 and BREEAM guidelines.
Travel Plan – reducing car trips to the hospital

- Existing Travel Plan already successful in reducing car trips made to the hospital.
  - Only 42% of staff travel to the hospital by car alone; and
  - 22% of staff travel to the hospital by bus.
- Average mode share of single occupancy car trips across UK hospitals is 57%; average UK bus mode share is 12%.

Headline New Initiatives Going Forward
- 40x Bus service capacity increase and improved timetable - currently saves 12,500 staff car trips & 500 patient car trips per month.
- Co2 Emission based parking permits.
- Potential Demand Responsive shuttle service for patients and staff.
- Potential personal journey planning service for staff.
- Lift sharing parking priority.
Highway Mitigation Measures

- Junction Capacity Improvements:
  - Eastern Road / Bristol Gate
    - Widening of Bristol Gate to 2 lanes.
  - Eastern Road / Arundel Road
    - Conversion of existing junction to traffic signals
  - Eastern Road / Freshfield Road
    - Widening of Freshfield Road.

- Pedestrian and Cycling Improvements:
  - New and relocated pedestrian crossings in front of hospital to match desire lines;
  - Seating in front of hospital;
  - Widened footway on northern side of Eastern Road outside hospital;
  - Renewal and/or construction of dropped kerbs and tactile paving on footways surrounding the hospital; and
  - Provision of advanced stop lines, and signage for cyclists.
Construction Traffic & Construction Consolidation Centre

- Construction consolidation centre location to be confirmed;
- Consolidation centre to be used for:
  - Crushing Facility (to avoid dust around RSCH);
  - Workforce Car Parking;
  - Site Office and Welfare;
  - Waste Transfer Station;
  - Store Lay Down Area; and
  - Vehicle Holding Area.

- Construction routing agreed with council with / without right turn into RSCH site, using primary roads wherever possible.
- Construction period from 2013 to 2022.
- Peak construction vehicle movements in 2014 with approx 80 vehicles per day comprising of:
  - 25 flat bed 40t vehicles (for precast materials);
  - 40 HGVs (for excavation/demolition materials & concrete/reinforcement materials); and
  - 15 Transit Vans to Articulated (for fit-out etc).